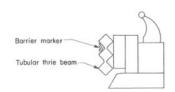


CONCRETE BARRIER MARKER INSTALLATION



TUBULAR THRIE BEAM BARRIER MARKER INSTALLATION

SPACING TABLE FOR BARRIER & BRIDGE MARKERS

Tangent to 5°	100
5° to 10° Curve	75
IO° to 20° Curve	50'
Over 20° Curve	25'

NOTES

- Barrier markers shall conform to the details of Standard 4-M-10.01.
- Marker spacing shall be by the spacing table; however a minimum of three markers shall be continuously visible. A minimum of three markers shall be installed on each bridge or concrete barrier.
- The single face white markers shall be used on bridges and concrete barriers on the right side of one-way and two-way roadways and ramps.
- The single face yellow markers shall be used on bridges and concrete barriers on the left side of divided roadways, one-way roadways and ramps.
- The front edge of the markers shall be oriented perpendicular to the edge of the roadway.
- Concrete surfaces shall be wire brushed or sand blasted, and treated according to the manufacturer's recommendations.
- 7. Markers shall be mounted on the top of the concrete barriers only when the curvature of the roadway is so sharp that three side-mounted markers would not be continuously visible from the traffic lane(s), (e.g., left-hand curve on median side of roadway; right-hand curve on right side of roadway.) Where glare-screen is installed, the typical side-mounted installation shall be utilized.
- Concrete barriers used in conjunction with sand barrel crash cushions will not normally require barrier delineation if installation is more than 10' from the edge of the roadway.
- Where bi-directional markers are required (on the left side of sharp right hand curves on two-way roadways), Type B raised pavement markers described in Standard 4-M-2.01 may be used.
- Tubular thrie beam barrier markers may be used on guard rail when specified; however they do not replace delineators.

DESIGN APPROVED	STATE OF ARIZONA	REV.
Carlie Bowner 1/24/81	DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS	8-81
APPROVED FOR	STANDARD DRAWINGS	
DISTRIBUTION	BRIDGE & BARRIER MARKER PLACEMENT DRAWING	NO.
8/3/81	8 INSTALLATION DETAILS 4-M-I	0.02